6ES7647-6CA16-0BC0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6es7647-6ca16-0bc0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Processor	Celeron P4505 (2 cores, 2 threads, 1.86 GHz)
Memory	2 GB DDR3 RAM
Ethernet Ports	2 x Gigabit Ethernet
USB Ports	4 x USB 2.0
Serial Ports	1 x Serial (COM1)
Power Supply	24 V DC industrial power supply
Ambient Temperature Range	0°C to 55°C
Dimensions	191 mm x 100 mm x 64 mm
EMC Compliance	CE, EN 61000-6-4:2007, EN 61000-6-2:2005

Description

The Siemens 6ES7647-6CA16-0BC0 is a robust industrial PC from the SIMATIC IPC627C series, designed for demanding applications requiring high performance and operational reliability in challenging industrial environments.

This compact box PC is equipped with a Celeron P4505 processor (2 cores, 2 threads, 1.86 GHz), 2 GB DDR3 RAM, and offers multiple connectivity options including two Gigabit Ethernet ports, four USB 2.0 ports, and one serial port (COM1).

It features a RAID controller, a CompactFlash slot, and expansion slots including one PCI and one PCIe (x16). Powered by a 24 V DC industrial power supply, it operates within an ambient temperature range of 0°C to 55°C.

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The device is built to withstand industrial conditions, offering protection against foreign bodies larger than 1 mm and meeting various EMC standards. Its compact dimensions (191 mm width, 100 mm height, 64 mm depth) and robust design make it suitable for integration into diverse industrial automation systems.

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